

Patent Application of William C. Sawyer for "Collapsible Utility Trailer" continued –
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Claims: I claim:

[C001] 1. A collapsible trailer having a platform comprising:
a first and second pair of longitudinal sections;
a third center section hingely mounted to said pair of longitudinal sections so that the platform is pivotally between an open position, whereby longitudinal sections extend horizontally in the same plane, and a closed position whereby the platform is in folded relation and longitudinal sections do not extend and instead retract vertically in side-by-side relation;

[C002] a pair of wheel suspension means mounted below and extending laterally from said longitudinal sections for supporting the trailer in its open and closed positions; and

[C003] each end of said central section having a front and rear flange adapted to abut against said longitudinal sections in their load carrying position, said front flange of both longitudinal sections overlapping across the central section of the platform, said rear flange of both longitudinal also overlapping across said central section of the platform, a cylindrical shaped flange secured under each of said longitudinal sections and adapted to abut against the said central section when the platform is in its closed position, a means for extending and retracting said longitudinal sections when the platform is in its open and closed positions, a support member on each distal end of said longitudinal sections, the said members adapted to abut against said rear flange when the platform is in its load bearing position,

[C004] a suspension joint axially aligned with and fixed around each of said longitudinal sections, each of the said suspension joints fixed to an axle below said longitudinal sections, each said axle having an arm pivotally mounted to said axle under the platform, each end of said arms pivotally secured by a bracket, said arms being connected to be pivotable between an open position wherein they extend horizontally in the same general

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[C005] plane and the ends of the arms form a predetermined apex under said platform, and a closed position wherein the arms instead compress in collapsed relation yet still form a predetermined apex; means for rotating said arms and for maintaining the said axles and said suspension means in the same plane, a hub and a wheel suspension means axially aligned with and fixed at each of the said suspension joints below said longitudinal section, and a towing means fixed to said platform for pulling said trailer.

[C006] 2. trailer as recited in claim 1, wherein the said means for rotating said arms comprise kingpins secured in said bracket and said axle extending through openings in said bracket and said axle for maintaining said suspension means and said axles in the same plane.

[C007] 3. a trailer as recited in claim 1, wherein the said means for pulling said trailer comprises a hitch hingeably mounted on said central section to move in a plane substantially parallel to the platform.

[C008] 4. A trailer as recited in claim 1, wherein the said means for extending and retracting said longitudinal sections comprise a pair of pulleys affixed to said axles and a cable directed through said pulley to connect to a said axle for directing the said longitudinal sections when said platform is in open and closed positions.